

TX3141
Wireless Manual Call Point

User Manual



1. Summarize

TX3141, Wireless Manual Call Point is used to manually confirm the fire disaster, When Someone confirm the fire disaster, manually press the button to confirm the alarm. The call point adopts MCU with excellent performance, the chipset is build in special program to identify the fire alarm, built in 433MHz communication chipset to connect to gateway. Widely used in home automation, store security and other fire safety monitoring.

2. Character

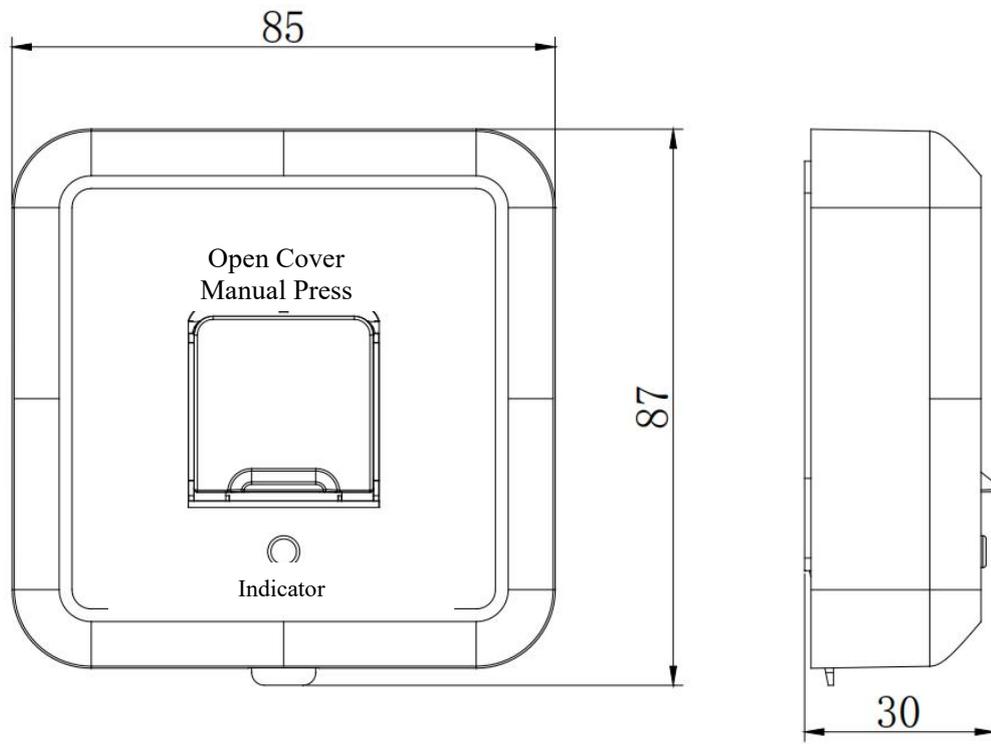
1. Software and hardware multi-stage filtering improves the anti-interference anti-inhibition ability.
2. Self-checking function.
3. Faulty alarm, firm alarm, battery notification.
4. 433MHz wireless network.
5. Easy installation and maintaining.
6. Real time to monitor the alarm system for gateway.
7. Low power consumption and long service life.
8. Full seal protection technology.

3. Technical Spec

Voltage	DC 3V
Current	Monitor<30uA, Alarm<6mA
Communication	433MHz Wireless
Transmit Power	<20dBm
Connect distance	<200m
Indicator	Normal: Every 75s green light flash Alarm: Keep red light Faulty: Every 45s yellow light flash
Operating Environment	-10°C ~+55°C, Less than 95%(non-condensing)
Material/Colour	ABS/Red
Dimensions	87mm×85mm×30mm
Weight	113g

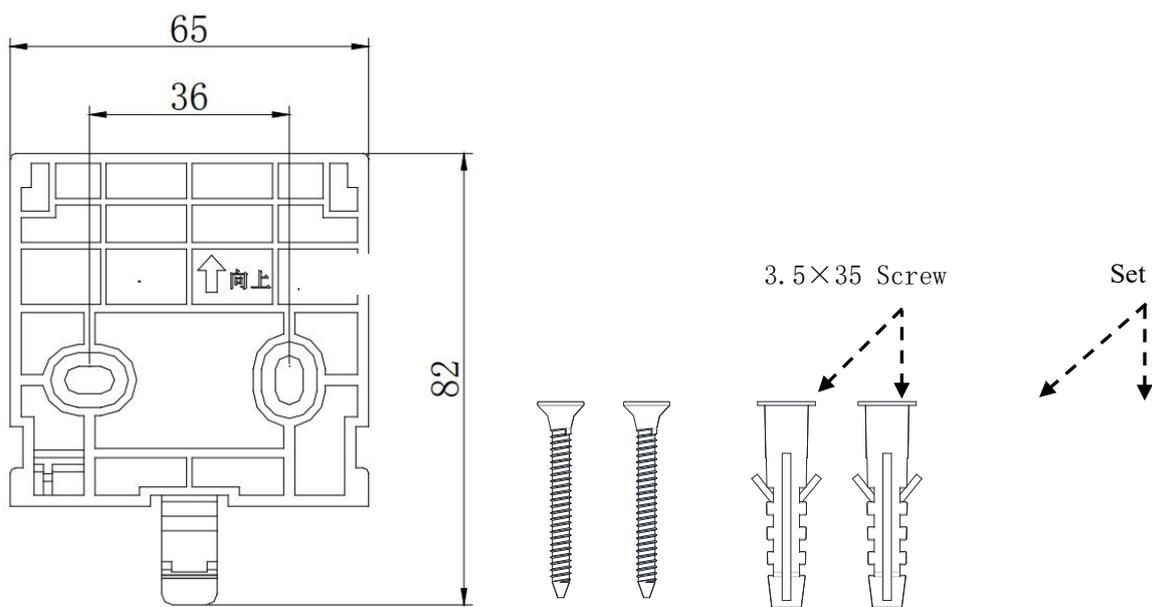
4. Construction and Working System

4.1 Housing



Picture 1 Detector Housing

4.2 Mount



Picture 2 Mount and Screw

4.3. Working System

This Call Point is manual press type alarm. When someone confirm the fire disaster, open the cover and press the button, the indicator will keep red light, and 433MHz communication chipset send this information to gateway. Quickly the gateway trigger other devices in the same gateway notifications at the same time.

5. Installation

5.1 Correct Installation

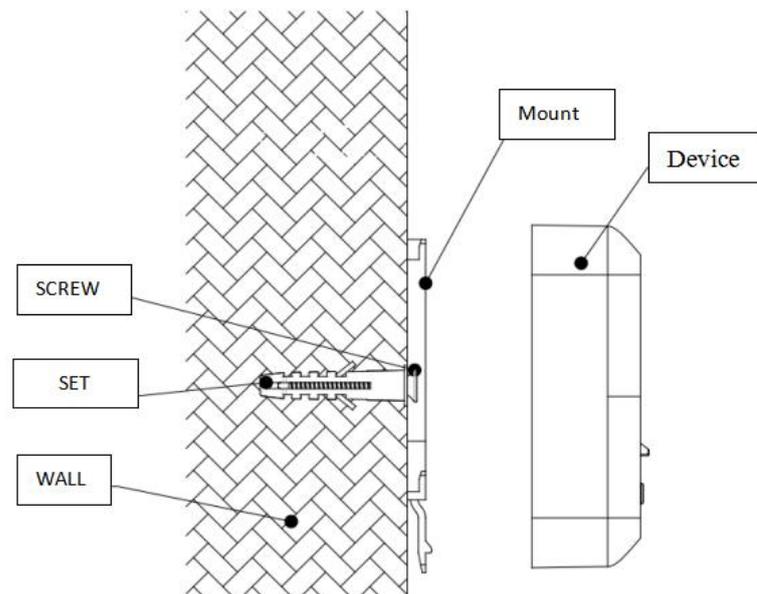
- a. The call point should be installed in an obvious and easy to operate position. If installed it on the wall, the height between 1.3-1.5m. It should be firmly installed and not tilted.
- b. Less than 200m far away from gateway to ensure receiving 433MHz signal.

5.2 Wrong installation

The temperature is under 10°C or higher than 55°C, the humidity is out of 95%RH.

5.3 Installation Introduction

- a. Fix the mount with 3.5×35FA screw
- b. Rotate the detector into the mount, make sure they are complete combination.



Picture 3 Installation

6. Connection and Test

Indicator and Operation

- a. Power on with the battery, the indicator will make a flash.
- b. Press “mount” button 4 seconds, the device will have a green flash if the network connection is successful. Short press “checking” button the device will have a red flash, it means network connection status is quit.

- c. Seperate the device from mount, the device will flash every 45s.
- d. Manually press the alarm button, the indicator will keep red light.

7. FAE

ISSUE	METHOD
Flash the yellow light every 45 seconds	Checking the battery and mount
Can not get the network connect success indicator	Make sure the 433MHz signal is ready

8. Notice

- a. Please check devices frequently. Make sure the devices working normally.
- b. Please cover up the devices if you are decorating house.
- c. The battery can support up to 3 years normally , but keep alarm and weak signal will make it expend quickly.
- d. While something wrong with the devices, please don't repair the devices by yourself. Connect us or your distributor, we will help you to identify what is the exact problem.